

19970907.qrp v00_n841.qrs.970907

>From ???@??? Sun Sep 07 21:51:58 1997

Date: Sun, 7 Sep 1997 19:03:11 EDT

Subject: QRP-L digest 841

Message-Id: <97Sep7.190400edt.35551-48594+119@fidoii.cc.Lehigh.EDU>

QRP-L Digest 841

Topics covered in this issue include:

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by adams@chuck.dallas.sgi.com (Chuck Adams)
- 2) [26292] Op amps and such
by gsurrency@juno.com (Gary L L Surrency)
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- 11) [26301] HW-9 **SOLD**
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 12) [26302] More battery gibbering & queskins, among other stuff
by NilsBull@aol.com
- 13) [26303] [v31xe@dzn.com: Vee-beams]
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- 14) [26304] What I did last summer
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- 15) [26305] RE: 10MHz / UTC Receiver
by Russ Garner <71544.1645@CompuServe.COM>
- 16) [26306] Lazy BUBBA's EZ Summary Sheet
by Joe Gervais <vole@primenet.com>
- 17) [26307] 30m Kickin' Tonight
by Joe Gervais <vole@primenet.com>
- 18) [26308] Re: Solar Flux 970906
by Paul Harden <pharden@aoc.nrao.edu>
- 19) [26309] Soldering Iron

by Russ Garner <71544.1645@CompuServe.COM>

20) [26310] Re: More battery gibbering & queskins, among other stuff
by Ken Lopez <kjllopez@earthlink.net>

21) [26311] 30m Adventures - FUN!
by Joe Gervais <vole@primenet.com>

22) [26312] * A Half Dozen New Mailing Lists at QTH.Net *
by "Brian K. Short" <shortckt@primenet.com>

23) [26313] Contest guru question
by Harvey Hetland <n6mm@earthlink.net>

24) [26314] OHR WM-2 Wattmeter, JA contests, F beacon and NC.
by "Jim (AL7FS), Nancy (KL7NY) and Juliann (WL7MP) Larsen"
<larsennc@alaska.net>

25) [26315] TR - log thanks
by Kd0su@kktv.com

26) [26316] Solar index / 17 meters
by Joel Malman <malman@BBN.COM>

27) [26317] SIMPLE TUNING METER
by ARDUJENSKI@aol.com

28) [26318] Hammond chassis
by "J. Skalski" <jskalski@acsu.buffalo.edu>

29) [26319] TUNING METER PICTURE
by ARDUJENSKI@aol.com

30) [26320] Re: Solar Flux 970906
by gsurrency@juno.com (Gary L L Surrency)

31) [26321] Gel life (or lack thereof)
by gsurrency@juno.com (Gary L L Surrency)

32) [26322] ND/SD and Solar Flux
by adams@chuck.dallas.sgi.com (Chuck Adams)

33) [26323] OHR WM-2 tells the story
by "Jim (AL7FS), Nancy (KL7NY) and Juliann (WL7MP) Larsen"
<larsennc@alaska.net>

34) [26324] For Trade and Free
by Bill Myers <bjmyers@arc.net>

35) [26325] Re: SST case
by "Frank, G3YCC." <g3ycc@gqrpclub.demon.co.uk>

36) [26326] Re: 30m Adventures - FUN!
by Richard Powell <ripowell@mpna.com>

37) [26327] The Austin (TX) QRP Club lives! (A QRP Club)
by Glen Reid <k5hgb@flash.net>

38) [26328] HangOver Hustle
by Joe Spencer <jspencer@startext.net>

39) [26329] 20 meter Beacon ?
by "Bob Kellogg" <ae4ic@nr.infi.net>

40) [26330] Re: 30m Adventures - FUN!
by Joe Gervais <vole@primenet.com>

41) [26331] Cleaning out the closet &c
by NilsBull@aol.com

42) [26332] Battery chargin' fool figgers hit out . . . again

by NilsBull@aol.com
43) [26333] New QRP Mailing Lists!?!?!?
by "Paul R. Valko" <prvalko@Oakland.edu>
44) [26334] Re: New QRP Mailing Lists!?!?!?
by Chris Trask <ctrask@primenet.com>
45) [26335] Green Chile and Audio Filters
by "James R. Duffey" <jamesd1@flash.net>

Date: Sun, 7 Sep 1997 00:24:58 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-l@Lehigh.EDU
Subject: [26291] Solar Flux 970906
Message-ID: <199709062324.AAA08943@chuck.dallas.sgi.com>

IV. PENTICTON 10.7 CM FLUX
OBSERVED 06 SEP 098

Edging towards the century mark.....

--

Chuck Adams K5FO CP-60 adams@sgi.com
<http://reality.sgi.com/adams/index.html>
WIMPS: Qs=063 30m=56 17m=7 12m=0 States=28/05/00 DX=05/02/00 QSLs=025

Date: Sat, 6 Sep 1997 16:19:29 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: qrp-l@Lehigh.EDU
Subject: [26292] Op amps and such
Message-ID: <19970906.162642.6566.1.gsurrency@juno.com>

Gang,

There have been several messages about op amps and their characteristics, etc. in response to the original e-mail I posted about substituting TL082P for LM324N, etc.

Thanks for the technical info some of you have provided as feedback to these devices. I appreciate it. I have a pretty good assortment of devices I've built up over the years, and though I see if they were any good or if they performed as well or better. Experimenting, you know.

Once again the sharp guys on this list have added to the overall

education of each of us - me included! So thanks to each of you who responded for your time to answer these questions.

Now, where is that darn IC puller I had a minute ago? ;-) Lessee, there's a LF353, and a MC1458, another NE5532, and a TL084P. So many parts and so little time.

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Sat, 06 Sep 1997 19:46:22 -0400
From: Paul Stroud <aa4xx@ipass.net>
To: W3RDF@aol.com
Cc: klqrp <klqrp@acpub.duke.edu>, QRP-L <QRP-L@Lehigh.EDU>
Subject: [26293] Kite Beacon Singing at 2335Z
Message-ID: <3411EB4D.5FAE@ipass.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Don,

I'm copying your 900 mW Kite beacon on 3685.7 KHz RST 599+10-- well above the noise. The antenna on this end is an 80M OCF dipole up 60 feet, broadside to you, fed with ladderline. How high is your kite this evening? Given the beacon's strong signal, we would probably be able to copy you at 10mW or less. The signal has shown no substantial QSB over the last 25 minutes. I hope you get a lot of reports!

Thanks for the interesting test,
Paul, AA4XX Raleigh, NC

Date: Sat, 06 Sep 97 18:59:50 PDT
From: Ken Graham <k5id@ipa.net>
To: qrp-l@Lehigh.EDU
Subject: [26294] SWAN MB-40A QRP rig
Message-ID: <MAPI.Id.0016.00356964202020203030303430303034@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII; X-MAPIextension=".TXT"

Content-Transfer-Encoding: 7bit

Fellow QRP'ers,

I have just acquired the Swan MB-40A QRP (well, up to 30w) rig at a swapfest. It is a single band (40m) cw/ssb rig capable of about 30 watts max. Date of mfg seems to be about 1974.....

I know nothing about this rig, and would really appreciate someone who could give me information about it, especially a copy of the schematic and manual.....

If you could help me out, it would certainly be appreciated.

72/73

Ken Graham K5ID
71 Mandarin Dr
Hot Springs, AR 71909

Date: Sat, 06 Sep 1997 20:12:12 -0400
From: Bill Meara <wmeara@erols.com>
To: W3RDF@aol.com
Cc: qrp-1@Lehigh.EDU
Subject: [26295] Kite Beacon strong in N. Va.
Message-ID: <199709070014.UAA24948@smtp2.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Don: Kite beacon is coming through nicely on my Drake 2-B at 0002 hrs UTC 7 September.
Noise has the meter up to S-7, but your beacon is getting up to 10 over 9 on peaks.
Antenna here is an end fed half wave (for 80) in inverted L configuration.
Some QSB.

Very pleased to have heard your station! Neat idea! Please keep us posted on the results.

73 de N2CQR
Bill Meara, Falls Church, Virginia
wmeara@erols.com
<http://www.mindspring.com/~johnmb/billm.htm>

Date: Sat, 06 Sep 1997 21:11:31 -0400
From: Richard Powell <ripowell@mpna.com>
To: qrp-1@Lehigh.EDU
Subject: [26296] Re: Radio Waves and Physics
Message-ID: <1.5.4.32.19970907011131.006cea14@smtp.mpna.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sounds almost like the way we used to estimate radiation exposure from a
"point" source.....

hmmmmm

Anyone out there still close enough to the Navy Nuclear Power School to
remember that one?

/rick

At 08:50 AM 9/6/97 -0600, newberry@cyberhighway.net wrote:

>> "I just love all this Physics stuff. :-) Dweebs gather to the right
>> please."

>>

>> Chuck- I am on your right!! I love the Physics stuff too. Fortunate
>> enough to make a living at it. Professional dweeb, but I know how a lot
>> of the world works.

>>

>James (and Dweebs!),

>

>I've got a physics question that I don't even know enough about to
>formulate correctly!

>

>Several years ago I read, well tried to read the Feynman lectures on
>physics. One area that caught my interest and has tormented me since is
>that of sound and the changes it goes thru as frequency changes.

>

>The Setup:

>Sound travel thru air falls off at the inverse square of the distance.
>However at about 120K (not sure the exact freq) the behaviour of these
>'sound' waves change. They no longer depend on air as a transport, in
>fact they become RF, and follow the known decay rates of RF.

>

>As I remember, despite the explanations given in the lectures, this
>transformation area (some frequency) seems to be a of a mystery. It
>happens, there are formulas that show it happened, but are there any
>plain english explanations that really tell what is happing as the
>frequency of audio enters this range, and at slightly higher frequencies
>is RF rather than audio?

>

>I guess this is QRP related (HI) as radio waves leave our antenna we
>need to know how and where they are going!

>

>Thanks to all who respond. I probably won't understand but I'll collect
>and keep the answers.

>Greg

>

>--

>-----

>	Greg Newberry	newberry@cyberhighway.net	
>	WB7DUO QRP-L #760		
>	NorCal #1899 CQC #465 AR-QRP #65		

>-----

>

>

>

Richard Powell WB6JBM TENTEN - 13044
ripowell@mpna.com <http://www.mpna.com/ripowell>

Date: Sat, 06 Sep 1997 20:39:37 EDT
From: n4so@juno.com (charles k brown)
To: qrp-l@Lehigh.EDU
Subject: [26297] SST for WWV 10.000 Mhz
Message-ID: <19970906.073645.4391.6.n4so@juno.com>

The SST for 30 meters can be modified to receive WWV
on 10.000 Mhz.

I have a mod file that has some suggestions for
doing this which are by the designer.

The text file is on this computer-- ask for WWV.txt.

from: n4so@juno.com
Ken Brown, N4SO
QTH nr Mobile, AL/ EM50tk
qrp-l #622
n4so@juno.com

Date: Sun, 7 Sep 1997 00:56:51 +0000
From: Sandy W5TVW <ebjr@worldnet.att.net>
To: qrp-1@Lehigh.EDU, <w3rdf@aol.com>
Subject: [26298] Kite Beacon
Message-ID: <19970907005639.AAE5198@LOCALNAME>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Receiving it very chopped up here at 0054 GMT. Able to copy enough to recognize call sign and e-mail address. Lots of QRN tonight, signals weak in New Orleans area.

My noise level running S8-S9 on vertical and horizontal antennas.

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive,

Metairie, LA., 70001

ebjr@worldnet.att.net

Looking for: Hallicrafters SR-75 Transceiver

RK-34(VT-224) tubes, Butternut HF2V antenna*

Date: Sat, 6 Sep 97 21:41:17 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-1@Lehigh.EDU
Cc: malman@BBN.COM
Subject: [26299] 17m TONIGHT (Saturday, EST)
Message-ID: <199709070141.VAA74883@nss2.CC.Lehigh.EDU>

Folks,

Might be too late for the EST folks to join in the hunt, but the low end of 17 meters is WIDE OPEN to Japan. I have also heard, but not worked a few ZL's. No doubt VK's are around, but I have not heard them.

The QRO (KW with yagi) folks are hamming it up, like this is 20 meters. I have been trying to tail end them ... not much luck, but I suspect this opening is the beginning of something BIG!

/joel wa1qvm

Date: Sat, 6 Sep 1997 20:42:01 -0500 (CDT)
From: "Jim R. Hatfield" <jhatfiel@mail.orion.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26300] Radio stores
Message-ID: <Pine.GS0.3.96.970906203727.24606A-1000000@orionc0>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Will be in Mobile Al. next week can anyone steer me to some good radio stores or shops? tnx to all on this list. 72 Jim KG0NA

Date: Sat, 6 Sep 1997 21:40:26 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [26301] HW-9 **SOLD**
Message-ID: <199709062143_MC2-1F72-8442@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Ths HW-9 has been spoken for, and will soon be moving to its new home. Thanks to one and all for your interest in this magnificent rig.

This is the very finest example of an HW-9 I have ever seen and the new owner will enjoy it for many years.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 mn-qrp 19 nj-qrp 69 ak/qrp 139
AR QRP 73 ARCI 9398 ARRL WAS 48/38 DXCC 54/39 <><

OMNI V Sierra Argosy 525 Argo 515 HW-9 Explorer II-40 SW-30
Norcal 40a Emtech 40-40 SW-40 TT 1340 A&A Gary Breed 30 49er
38S Mercury Paddles MFJ 259 MFJ 941D TNT/2 Windom SLV/W6MMA
HB G5RV Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Sat, 6 Sep 1997 21:59:14 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@Lehigh.EDU
Subject: [26302] More battery gibbering & queskins, among other stuff
Message-ID: <970906215903_691532803@emout13.mail.aol.com>

Gang,

I get the feeling that I'm, like, deconstructing the entire philosophy of batteries here. First, there's all the info that every's sent me about charging and discharging and why I don't need a charge card. Then there's the stuff about taking a meter and a resistor to hamfests to check out the batts before parting with cash. And then, while Thelonious Monk & Co is playing "Criss-cross" (which sounds a lot like the first Ornette Coleman album . . . but that's another story), I have these things happening:

1. When I put raw DC out of a cheap wall-wart into my charge controller &c, I get a signal that the batts are charging. Then, after a while (like maybe an hour or more), the LED blinks and I get the message that it's topping-off time. Then, when I unplug the wall-wart, the LED goes out and I turn on the radios. After about an hour or so of just sitting there letting noises out of the speakers, the batts seem to go south. VCOs unlock. Digital shaft encoders don't shaft or encode. Life becomes complex. I plug in a direct 13.6 VDC to the radios and all is well in radio land.

2. The batts in use right now are two 6-V, 4.5 Ahr batts what I bought from Roger at Midwest Surplus in nearby Fairborn. \$6.50 a whack. Whack! Whack! I tried tasting them before I plunked down the cash and remember that they were each around 5 or 6 volts. Roger asked me what the hell I was doing and I said that I was checkin' 'em to see if they had any electricity left in 'em. He said that I'd have to charge 'em first anyway (which I did when I got 'em home) so just buy 'em and be done with it.

Now Roger's an ok guy to me. He's nuts. He speaks my kind of old-biker-on-meds gibberish with me. He has a soda machine in the back that my youngest feeds when we go shopping together and do our Beavis & Butt-head act. Everything I've ever bought from Roger has worked or been right or whatever, so I don't have much reason not to believe that he knows how to spell potato.

3. So, am I nuts or should I just go out and spend \$24-something for a 12v cell fresh out of the box somewhere?

4. And then there's the solar panel question: When I use the wall-wart to charge the batts, the LED comes on nice and bright and blinks nice and bright when topping off occurs. When I plug in the solar panel on a bright day and take the time to get all the shadows off the panel &c, the LED comes on kinda half-hearted and stays that way for hours. Once, when the batts had gone south after a couple hours, I plugged in the solar panel and could still pull the VCO off frequency by turning up the volume (yeah, by turning up the volume . . . as in: there wasn't enough current to run the AF amp and keep everything synchronized at the same time . . . like me without meds or something). The PV puts out about 18 volts open circuit and gets to about 12 v on loads (like on a boom box playing a tape [of El Gran Combo de Puerto Rico, fer instance]).

Oh, goody. "Rhythm-a-ning" I first heard this nearly 33 years ago on the VOA "Jazz Hour" (more like 45 minutes) with Willis Connover. Now there as a real radio guy . . . you should have heard the on-the-air live memorial concert that the VOA had after Willis' death some time back, maybe a year.

Ok, so (a) did I get burned on the batts? (b) should I consider putting two of these solar panels in series or parallel or something? (c) should I get any more Thelonious reissue CDs?

And I had a neat QSO a couple minutes back with (catch this callsign . . .) NY0G in Spalding, NE. Bud gave me a 339 but said that I was clear copy. When I told him what I was running, he cut back to 5 watts on his Yaesu 900-something. I could still hear him good. So we chatted for a while and then his wife came home (I use that one now and then too) so we QRTd and QRUD and LSDd and everything and that was that. Him on a longwire at 30 ft and me with the dead motor winding wire stapled to the attic rafters. Not bad for a couple half-bakes.

Now, about this caffeine shortage . . . I hear the clone of Fidel is working on it. On MIR. With Elvis.

73

Nils

WB8IJN &c

. . . maybe Rahsaan Roland Kirk CDs. The guy who used to run a local band instrument company claimed to have made Kirk's two weird-butt saxophonish lookin' extra instruments. No, not the siren whistles, just the manzello and the strich. Whatever.

Date: Sat, 6 Sep 97 20:43:40 MDT
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU

Subject: [26303] [v31xe@dzdn.com: Vee-beams]
Message-ID: <9709070243.AA09308@rgfn.epcc.Edu>

===== Begin forwarded message =====

From: v31xe@dzdn.com ("William R. Colbert")
To: af852@rgfn.epcc.Edu
Subject: Vee-beams
Date: Sat, 06 Sep

This is a multi-part message in MIME format.

-----7C8044E739D
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"

Ray Colbert, W5XE,
OOTC 3618, SOWP 1064M
(also af852@rgfn.epcc.edu)
El Paso, Texas

-----7C8044E739D
Content-Type: text/plain; charset=us-ascii; name="V-BEAMS.TXT"
Content-Transfer-Encoding: 7bit
Content-Disposition: inline; filename="V-BEAMS.TXT"

Thanks for posting the info on the vee beams. I am sure some of the gang will find it helpful. Before retirement last year, I had under my charge a rosette of 5 sloping vee beams designed after the article published in a mid-1950s QST by Col. Lloyd Colvin, W6KG. These were 505 feet on a leg with an apex angle of approximately 28-30 degrees. This causes some loss at some freqs but the gain figures seemed to be on the order of 3db at the lowest measured (1.9) and approaching 14 db in the upper 24 to 25 Mhz range. The far support poles (high grade wood utility type) were set on an arc of 250 ft apart. When compared to the installed 17 element HF 6. - 30 Mhz RLPA's, the performance of the v-beams far exceeded that of the log periodics at 65 and 85 feet.

For a wideband antenna that is relatively inexpensive, that is one way to go. The ones I used were sloping from 65 feet down to a level of

20 feet (because they were planning to build underneath another 1 story building) but would have been better if the termination ends were nearer to 10 feet. The termination should be approximately 800 ohms, 400 ohm to ground on each leg. Grounds for the antenna, where the terminations were attached were formed by three ground wires, #2 copper on the poles, two going to ground rods on each side of the pole, and the 3rd to the ground plate on the bottom of the poles. You can feed it with open feeders, window line or coaxial cable thru a 16:1 balun.

There is some excellent information regarding Vee beams in the Ed Noll, W3FQJ, book 73 dipole and longwire antennas. Comes with charts and gain figures vs # of 1/4 or 1/2 wl per leg, plus desired apex angle for a given length.

-----7C8044E739D--

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Sat, 06 Sep 1997 23:15:18 EDT
From: kb0rol@juno.com (Bradley L Mugleston)
To: qrp-l@Lehigh.EDU
Subject: [26304] What I did last summer
Message-ID: <19970906.201226.7727.2.kb0rol@juno.com>

OK, the address for the BSA bounced along with Tandy. Any one else got any ideas?

Brad

Date: Sat, 6 Sep 1997 23:51:38 -0400
From: Russ Garner <71544.1645@CompuServe.COM>
To: qrp-l <qrp-l@Lehigh.EDU>
Subject: [26305] RE: 10MHz / UTC Receiver

Message-ID: <199709062351_MC2-1F6B-CF18@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

The one I surely do honestly plan to build some day is described in the September 1989 issue of QST-- "A Simple Secondary Frequency Standard". Based on the Neophyte receiver (Feb 1988 QST), "this simple weekend project nets you an accurate frequency standard and a dedicated W-W-V receiver."
(I added the hyphens: on my screen, WWV looks like five V's.)

And now--A Question from the Twilight Zone:
When I first indited the preceding paragraph, I misspelled <honestly>. I typed <honextly>.
I have a spelling checker. It gave me two choices for replacement: (1) <honestly> and (2) <ho nextly>.
HO NEXTLY???
This smells of badger!
If any Lister out there has a personal badger named Nextly, I will thank you to keep your daemon badger claws out of my spelling checker! Okay?
Yours from the Fifth Dementia--Russ WA0UIG, Marion, Iowa

=

Date: Sat, 6 Sep 1997 21:18:56 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [26306] Lazy BUBBA's EZ Summary Sheet
Message-ID: <199709070418.VAA23458@usr02.primenet.com>

Howdy Folks,

Let's face it, QRP operating/contesting is more fun than a barrel of banana slugs, but the paperwork can be a real drag. Problem is that if you don't submit any BUBBA contest info, we AZ ScQRPions can't put you in the drawing for those fabulously extravagant BUBBA prizes! :-)

So in true BUBBA fashion, we present the Lazy BUBBA's EZ Contest Summary Sheet(tm). Just fill in the blanks and email it to me. You can follow up with the rest of the log later. Or not. Because we know you'd rather be melting solder or radiating or something. Which is fine with us.

Full logs are still greatly appreciated, of course.

So fill out the BUBBA Summary below and email it in. Because you never know if Lady Luck is going to come a-knockin' on your door with a fistful of BBQ Korn Nuts. :-)

Tnx es Cheers de AB7TT,

-Bubba Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"

----- LAZY BUBBA's SUMMARY SHEET -----

Callsign:

Name:

Category (Indoor/Outdoor):

BUBBA QSOs:

SPCs:

Highest Temp at Op's Position:

Score:

QSOs x SPCs x Temp F (x2 for QRPP) (+3000 if worked NQ7RP)

Soapbox:

Date: Sat, 6 Sep 1997 21:58:15 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [26307] 30m Kickin' Tonight
Message-ID: <199709070458.VAA18151@usr09.primenet.com>

Howdy Folks,

Slow Saturday night at your QTH? Fire up that rig and

get on 30m. Some good sigs out there, including the
ES1WN (Estonia) that I just worked on 10.107 - but it
would be nice if there was someone to ragchew with. ;-)

Time is 0455Z.

Hop on in, the ionosphere's fine! Off I go to work that
OH3 I heard....

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Veni Vertical Vamos - I came, I radiated, I left". -AB7TT

Date: Sat, 6 Sep 1997 23:03:49 -0600
From: Paul Harden <pharden@aoc.nrao.edu>
To: adams@chuck.dallas.sgi.com, qrp-1@lehigh.edu
Subject: [26308] Re: Solar Flux 970906
Message-ID: <199709070503.XAA21096@zia.aoc.nrao.edu>

Chuck and the gang,
I think we should have a contest ... the "Solar Flux 100 Pool," to guess
the date when the solar flux hits 100 for the first time in years. The
closest guess wins a trip to Hawaii, or perhaps a visit to Larsen in AL7
land.

I'll start ... Tuesday, Sept. 9th ... the big 100.

Then the next contest ... guess when the first big major solar flare will
happen. You know, a really good one ... shuts down all HF communications,
knocks half the satellites out of orbit and the x-rays fries the electronics
in the other half.

I'll start ... April 1998

First prize ... one day and one night in Socorro, New Mexico
2nd prize ... two days in Socorro
3rd prize ... three days in Socorro
(I.e., the winner gets to leave town first!)

72, and good DXing, Paul NA5N

Date: Sun, 7 Sep 1997 02:32:28 -0400
From: Russ Garner <71544.1645@CompuServe.COM>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [26309] Soldering Iron
Message-ID: <199709070232_MC2-1F6A-2939@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

The following is copyright 1992 by Jack Handey.

"If I lived back in the Wild West days, instead of carrying a six-gun in my holster, I'd carry a soldering iron. That way, if some smart-aleck cowboy said something like 'Hey, look. He's carrying a soldering iron! and started laughing, and everyone else started laughing, I could just say, "That's right, it's a soldering iron. The soldering iron of justice."

"Then everybody would get real quiet and ashamed, because they made fun of the soldering iron of justice, and I could probably hit them up for a free drink."

from "Deep Thoughts" by Jack Handey
(..."Inspiration for the Uninspired"...))

Russ WA0UIG Marion, Iowa EN42fa

=

Date: Sun, 07 Sep 1997 00:35:06 -0700
From: Ken Lopez <kjlopez@earthlink.net>
To: NilsBull@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26310] Re: More battery gibbering & queskins, among other stuff
Message-ID: <3412592E.3A9B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

NilsBull@aol.com wrote:

After about an hour or so of just sitting there letting noises out of
> the speakers, the batts seem to go south. VCOs unlock. Digital shaft encoders
> don't shaft or encode. Life becomes complex. I plug in a direct 13.6 VDC to
> the radios and all is well in radio land.
>
> 2. The batts in use right now are two 6-V, 4.5 Ahr batts

Nils, How much current does that radio draw with the audio volume up?
At 2 amps it would draw the batteries down enough to drop the voltage
under 12 volts in one hour or so. I know from personal observation that
gell cells are only good for about half their rated capacity before the
voltage starts to drop below 12 volts. That is, if they are new. If
very used, the capacity is less.

Cheers,
Ken, N6TZV

Date: Sun, 7 Sep 1997 01:01:12 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@lehigh.edu
Subject: [26311] 30m Adventures - FUN!
Message-ID: <199709070801.BAA28809@usr07.primenet.com>

Howdy All,

Is this the greatest hobby in the world or what? After I
worked Estonia and fired off a note to the List, I got back
on 30m and worked 9Y4/PA3EWP, then had a nice ragchew with
KC4UB in FL. Turns out the poor guy lost his logs in the
last big hurricane and is starting over on 30m WAS. :-(
One AZ QSL headed his way, special delivery.

Tuned around a bit and heard JE7RIT calling CQ in the clear.
Had a nice short chat with him, then decided to call it a
night. Well, our youngest harmonic had other plans, so while
she had a midnight snack, I got back on the air and tuned
around a bit.

Lo and behold, there was JR7HAN/QRP calling CQ! I make it
a habit never to pass up a call with /QRP on the end, not
to mention one across the Pacific. Mike was running 2w on
his QRP+ to a dipole, vs. 5w on my QRP+ to a vertical. We
had a very nice 2xQRP 2xQRP+ ragchew. Fun! I was as happy

as a termite in a lumber mill. Then it got better!

Right after we signed, ZL1MH called me! Another Mike. And my first New Zealand / 19th DXCC country - zippy! :-) He was running 100w to a loop. Very classy fellow, Mike is. Congratulated me on my QRP sig and offered to QSL. I thanked him profusely and said I owe him a beer. Think I'll send a 1000 miles/watt award his way too. Once we signed, the first Mike (JR7HAN/QRP) called the second Mike (ZL1MH) and I listened to them chat for a bit. What a great fellow! As soon as the Mikes signed, a small pileup pounded ZL1MH, mostly JAs it sounded like. Maybe they were all QRP. :-)

Mere mortals were never meant to have this much fun! No wonder 30m is my favorite band. :-)

Hope you all had a good night too.

ZZZzzzzz... de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"Veni Vertical Vamos - I came, I radiated, I left". -AB7TT

Date: Sun, 07 Sep 1997 08:55:19 +0100
From: "Brian K. Short" <shortckt@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [26312] * A Half Dozen New Mailing Lists at QTH.Net *
Message-ID: <3.0.3.32.19970907085519.00780acc@mailhost.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

* Satellite Mailing Lists at QTH.Net *
WxSat PacSat CommSat HamSat

* QRP and QRPp Mailing Lists at QTH.Net *

Additional information available at: <http://www.qth.net>

--

>>>> info qrp
QRP is a mailing list (reflector) devoted to the discussion of QRP, low power amateur radio.

Conventional thinking considers 5 watts transmitter output or less (10w PEP SSB) to be QRP operation.

QRPP is milliwatt operation (less than 1w).

- * Low Power Amateur Radio
- * Homebrew Equipment
- * Backpacking and Outdoor Radios
- * Equipment, Antennas
- * Buy, Sell
- * Anything QRP Related

To join the mailing list, send email:

TO: majordomo@qth.net
SUBJECT:
BODY: subscribe qrp

To be removed from the mailing list:

TO: majordomo@qth.net
SUBJECT:
BODY: unsubscribe qrp

To post information/questions to the list:

TO: qrp@qth.net

This mailing list is sponsored by Al Waller (K3TKJ).

Please address any questions to: k7on@qsl.net

>>>> info qrpp
QRPP is a mailing list (reflector) devoted to the discussion of QRPP, low power amateur radio.

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QRPP is milliwatt operation (less than 1w).

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- * Anything QRPP Related

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BODY: subscribe qrpp

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TO: majordomo@qth.net
SUBJECT:
BODY: unsubscribe qrpp

To post information/questions to the list:

TO: qrpp@qth.net

This mailing list is sponsored by Al Waller (K3TKJ).

Please address any questions to: k7on@qsl.net

>>>>

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>>>> info wxsat

WxSat is a mailing list (reflector) devoted to the
discussion of WxSat, weather satellites.

- * APT, HRPT, WEFAX
- * NOAA, GOES, METEOR
- * Equipment, Software
- * Remote Sensing and Interpretation
- * Anything WxSat Related

To join the mailing list, send email:

TO: majordomo@qth.net
SUBJECT:
BODY: subscribe wxsat

To be removed from the mailing list:

TO: majordomo@qth.net
SUBJECT:
BODY: unsubscribe wxsat

To post information/questions to the list:

TO: wxsat@qth.net

This mailing list is sponsored by Al Waller (K3TKJ).

Please address any questions to: k7on@qsl.net

>>>> info pacsat

PacSat is a mailing list (reflector) devoted to the discussion of PacSat, packet radio satellites.

- * Amateur Store and Forward Satellites
- * Telemetry Reception and Interpretation
- * Anomaly Detection and Diagnosis
- * Equipment, Software
- * Satellite Sleuthing
- * Anything PacSat Related

To join the mailing list, send email:

TO: majordomo@qth.net

SUBJECT:

BODY: subscribe pacsat

To be removed from the mailing list:

TO: majordomo@qth.net

SUBJECT:

BODY: unsubscribe pacsat

To post information/questions to the list:

TO: pacsat@qth.net

This mailing list is sponsored by Al Waller (K3TKJ).

Please address any questions to: k7on@qsl.net

>>>> info commsat

CommSat is a mailing list (reflector) devoted to the discussion of CommSat, commercial satellites.

- * TVRO, DBS, C-Band, Ku
- * Hidden Signals and Subcarriers

- * Equipment, Software
- * Satellite Sleuthing
- * Anything CommSat Related

To join the mailing list, send email:

TO: majordomo@qth.net
SUBJECT:
BODY: subscribe commsat

To be removed from the mailing list:

TO: majordomo@qth.net
SUBJECT:
BODY: unsubscribe commsat

To post information/questions to the list:

TO: commsat@qth.net

This mailing list is sponsored by Al Waller (K3TKJ).

Please address any questions to: k7on@qsl.net

>>>> info hamsat

HamSat is a mailing list (reflector) devoted to the discussion of HamSat, amateur radio satellites.

- * Amateur Radio Satellites
- * Transponders, Schedules
- * DX, Special Events
- * Equipment, Software
- * Buy, Sell
- * Anything HamSat Related

To join the mailing list, send email:

TO: majordomo@qth.net
SUBJECT:
BODY: subscribe hamsat

To be removed from the mailing list:

TO: majordomo@qth.net
SUBJECT:
BODY: unsubscribe hamsat

To post information/questions to the list:

TO: hamsat@qth.net

This mailing list is sponsored by Al Waller (K3TKJ).

Please address any questions to: k7on@qsl.net

>>>>

Date: Sun, 07 Sep 1997 09:03:30 -0700
From: Harvey Hetland <n6mm@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [26313] Contest guru question
Message-ID: <3412D052.22B2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Any contest gurus know what QRP contest the Japanese have going this weekend? At around 0845Z near 7010 kHz I worked JR3KQJ/QRP and JR1QQX/QRP in some kind of contest and received an exchange of "59927" and "59911" respectfully from them. JR3OQJ/QRP also had an excellent signal but did not seem to want to be bothered with me, hi. I'm still waiting for August and September QSTs to arrive here on the west coast, so I am a little in the dark. Do the Japanese use 7010 kHz as their QRP calling frequency?

73, Harvey, N6MM

Date: Sun, 07 Sep 1997 01:30:56 -0800
From: "Jim (AL7FS), Nancy (KL7NY) and Juliann (WL7MP) Larsen" <larsennc@alaska.net>
To: qrp-1@lehigh.edu
Subject: [26314] OHR WM-2 Wattmeter, JA contests, F beacon and NC.
Message-ID: <34127450.1BB9@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Harvey Hetland <n6mm@earthlink.net> said:

Any contest gurus know what QRP contest the Japanese have going this weekend? At around 0845Z near 7010 kHz I worked JR3KQJ/QRP and JR1QQX/QRP in some kind of contest....

====

0900Z Anchorage, Alaska:

I noticed the contest also. Good signals down in the Extra Class portion of the band but I don't seem to be able to break into them for a QSO. JR1QQX was a very solid signal but no response to me after more than six CQ QRP Test calls.

The F beacon is strong in to Anchorage tonight and with the filters and DSPs can be copied through the gobbledegook on frequency.

WB8PAO called CQ from Wake Forest NC and had a very solid signal into Alaska tonight. He came back to a 589 reply (not me).

Just finished my Oak Hills Research WM-2 QRP Wattmeter just before 0900Z this morning. The more I worked on it the more impressed I was with the kit. It worked the first time and is the first kit I have built since Heathkit in the mid 60s and early 70s. Every thing was there. Every part fit. It was fun!

I was very slow at building it but just took my time. I even made two trips to the store up in the north part of town to buy a good wire stripper. The first trip was a waste since I bought the wrong size. What a way to spend an hour and a half.....driving. Next purchase may be a different soldering pencil although the adjustable Weller I am using worked fine. Maybe a new tip.

One thought I did have while building the WM-2 was that if this wattmeter kit is this good, I think I will have to buy an OHR-100 for 20 meters and give it a try.

Gads....1:30am. The east coasters will be getting up soon.

Good night.

73, Jim, AL7FS

--

Jim Larsen

Anchorage, Alaska

Acupressure Anchorage

AL7FS ex-WA0LPK / KL7

2 meter WAS #36

Vision VR40 Recumbent

Date: 7 Sep 1997 08:24:28 -0700
From: Kd0su@kktv.com
To: qrp-l@Lehigh.EDU
Subject: [26315] TR - log thanks
Message-ID: <199709071419.KAA157734@nss2.CC.Lehigh.EDU>

Thanks to everyone who responded to my request for info concerning TR-log. A great group as usual.

73, Rick
K0SU
Colorado Springs, CO
CQC #100 - MI QRP # 1284 - NORCAL #1939 - QRP-L #539
ARRL - AMSAT - SMIRK - 10-10

Date: Sun, 7 Sep 97 11:39:34 EDT
From: Joel Malman <malman@BBN.COM>
To: qrp-l@Lehigh.EDU
Subject: [26316] Solar index / 17 meters
Message-ID: <199709071540.LAA111467@nss2.CC.Lehigh.EDU>

Folks,

re Edging towards the century mark.....

I'll bet Chucks Solar Index is over 100 today.... Get your self on 17 meters!

It is wall-to-wall stations. DX all over the place. Sounds like 20 meters.

/joel wa1qvm

Date: Sun, 7 Sep 1997 12:11:19 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [26317] SIMPLE TUNING METER
Message-ID: <970907121117_-131766647@emout03.mail.aol.com>
MIME-Version: 1.0
Content-type: multipart/mixed;

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AD0ACAA+AAwARAAKAEgABGBMAAIASwABAEoAAABHAAIARgAIAEcADABNAAoATwAGAFEAAwBS
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--ad-PART.BOUNDARY.0.2356.emout03.mail.aol.com.873648677--

--PART.BOUNDARY.0.2356.emout03.mail.aol.com.873648677--

Date: Sun, 7 Sep 1997 12:21:52 -0400 (EDT)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-1@Lehigh.EDU
Subject: [26318] Hammond chassis
Message-ID: <Pine.GS0.3.96.970907120728.25387A-100000@xena.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I just got my SASA kit yesterday. The first thing to do was to come up with a suitable case.

I found some new "still in the plastic wrapper" hammond Heavy duty steel chassis from an another project. They are 10"x6"x2"
Hammond #1441-16

I also have the matching steel bottom plates #1431-16 in original plastic.

I am planning on using the chassis with the 2x6" end making up my front panel so it doesn' occupy a lot of bench space.

I am also building my crystal evaluator in one of the boxes.

I have two cases of them if anyone could use one:

1441-16 chassis \$8 plus \$3 priority mail

1441-16 chassis + 1431-16 bottom plate \$12 plus \$4 shipping.

These all have a grey finish.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Sun, 7 Sep 1997 13:05:10 -0400 (EDT)
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [26319] TUNING METER PICTURE
Message-ID: <970907130202_1254112549@emout20.mail.aol.com>

Sorry abt sending the picture as an attached file. I already got several irate notes abt including pictures in this forum...won't happen again
Alan KB7MBI

Date: Sun, 7 Sep 1997 09:47:08 -0700
From: gsurrency@juno.com (Gary L L Surrency)
To: pharden@aoc.nrao.edu
Cc: qrp-1@Lehigh.EDU
Subject: [26320] Re: Solar Flux 970906
Message-ID: <19970907.104324.11958.1.gsurrency@juno.com>

On Sat, 6 Sep 1997 23:03:49 -0600 Paul Harden <pharden@aoc.nrao.edu>
writes:

---SNIP---

>Then the next contest ... guess when the first big major solar flare
will happen. >You know, a really good one ... shuts down all HF
communications, knocks half >the satellites out of orbit and the x-rays
fries the electronics in the other half.

---SNIP---

Ah, yes. Soon everyone will know what a SID is.....

There's a nice description of this and other atmospheric oddities in the
ARRL Handbook. Get familiar with them, all h*ll is about to break loose
on the HF bands. A SID from an extreme solar flare back in 1957 or 1958
shut down almost all communications and even affected telephone
communications between local residents of the same local community! (Of
course, all telephone wires were overhead then, not buired like today,
but there were *no* telephone satellites then as there are now, either!).

Now *that* was a big solar event! Imagine what that would do to all of
the satellites we have orbiting up there now! The space budget may need
some assistance soon!

Hey! I sure wouldn't want to volunteer for a space walk, would you? No
way!

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Sun, 7 Sep 1997 10:43:00 -0700
From: gsurrency@juno.com (Gary L L Surrency)

To: qrp-1@Lehigh.EDU
Subject: [26321] Gel life (or lack thereof)
Message-ID: <19970907.104324.11958.2.gsurrency@juno.com>

Nils,

I use a TAC-1 in the field with a 12v 7A/H battery. I have never exhausted it during a full day of operation, but I always carry a spare 12v 7A/H gel cell along just in case. Both are Powersonic PS-1270 and costs \$19.95 at Electronic City in Tempe, AZ. I float charge them occasionally on 14.00 volts to keep them up. If they are way down, I just use a series resistor to limit the initial current to under 1500 ma as recommended by Powersonic. See <http://www.power-sonic.com>

When the charging current drops to 70ma and the battery voltage is 14.40 to 14.70 the battery is fully charged - per Powersonic data.

The TAC-1 draws a pretty hefty 200 ma on receive; volume at minimum; and almost 1200 ma during transmit.

I consider a 7A/H battery the minimum I would use for any extended operating on mine. Dimensions are 5.94L x 2.56W x 3.70H (inches). Weight" 5.75 lbs.

Data for discharge rates follow:

7.0 AH at 350ma for 20 hours to 10.50 volts.
6.2 AH at 620ma for 10 hours to 10.50 volts.
5.5 AH at 1100ma for 5 hours to 10.20 volts.
4.2 AH at 4200ma for 1 hour to 9.00 volts.

As you can see, higher discharge rates greatly reduce the AH capacity, so you really need a larger battery than you might think. Add to that the fact that age reduces the battery capacity, so a battery with 100% to 200% greater AH capacity might be a wise choice if you really are going to get any life out of it - both operational life and service life in years.

The ARK30 I have pulls 400 ma receive and 1100 ma transmitting 5.5 watts.

As you can see, neither rig is very conservative on power consumption. Ah, the price we pay for digital readout and high bias RF/ IF amplifiers. :-)

Moral: Get a bigger battery and/or a healthy solar panel.

72,

AB7MY

Gary Surrency

Chandler, AZ (Near Phoenix), QRP-L #571, AZ ScQRPions, ARRL VE

Date: Sun, 7 Sep 1997 18:56:07 +0100
From: adams@chuck.dallas.sgi.com (Chuck Adams)
To: qrp-1@Lehigh.EDU
Subject: [26322] ND/SD and Solar Flux
Message-ID: <199709071756.SAA10272@chuck.dallas.sgi.com>

Gang,

First, it's not my solar flux. It's everybodies. :-)
Sorry I can't get on 17M. I'm on the way to the airport
yet again.

If you are expecting mail from me, start looking on Wednesday.

Tomorrow, Monday I will after 1800UTC will be on 40M from ND
and the later from SD. Maybe both at once if there is a suitable
setup on the border of both states. Sorry that I'll only have the
one band but packing light is tough and I don't want to be carrying
a lot of stuff on this trip, so light it is.

I'll hope to be able to read email early in the a.m. before leaving
the hotel headed east from Minneapolis MN and Eagen. While in the
area any places I need to visit for ham stuff?

73 es cul

--

Chuck Adams K5FO CP-60 adams@sgi.com

<http://reality.sgi.com/adams/index.html>

WIMPS: Qs=063 30m=56 17m=7 12m=0 States=28/05/00 DX=05/02/00 QSLs=025

Date: Sun, 07 Sep 1997 10:31:20 -0800
From: "Jim (AL7FS), Nancy (KL7NY) and Juliann (WL7MP) Larsen"
<larsennc@alaska.net>
To: qrp-1@Lehigh.EDU
Subject: [26323] OHR WM-2 tells the story
Message-ID: <3412F2F8.6C72@alaska.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Well, now I know part of my problem in making contacts. My OHR WM-2 has told the story. All of you who thought you worked me with my 5 watts actually worked me with my just less than 3 watts. It is nice to have a good meter, folks. All these years of 5 watts I was less than 3. Can you believe it!

Lessons learned by the Chosen Frozen of Alaska.

73, Jim, AL7FS

--
Jim Larsen
Anchorage, Alaska
Acupressure Anchorage
AL7FS ex-WA0LPK / KL7
2 meter WAS #36
Vision VR40

Date: Sun, 07 Sep 1997 13:30:52
From: Bill Myers <bjmyers@arc.net>
To: "Low Power Amateur Radio Discussions" <qrp-1@lehigh.edu>
Subject: [26324] For Trade and Free
Message-ID: <3.0.1.16.19970907133052.08479944@mail.arc.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sent this to the HEATH list first, but not many takers...

Well... I really hate to do this... BUT I'm running out of money for goodies and room to store them. And I'm looking for a couple of more pieces of equipment.

MANUALS: Free

GD-1287 Touch Control Switch Original Manual and 1 page pictorial in good shape

Original Illustration book for a TNC (I believe it was a HD-4040)

EQUIPMENT:

HEATHKIT HW-16 CW Transciever:

Receiver needs aligned. Some scratching on top cover. Radio spent 20+ years on a closet shelf wrapped up in a pillow case. Power output looks to be around 50 watts on 3.737 Mhz. I don't have any crystals or a vfo to check out the other bands. Receiver is off frequency (3737 reads down around 3670) and the sensitivity is down.

NO MODS that I can tell. Still has phono jack antenna and speaker plugs. Included are copies of mods to put it on 20 meters and modding for a vfo.

EXCELLENT COMPLETE COPY OF THE MANUAL

It's been sitting on my shelf for a year and I don't have the time (or the space) to get to it and I hate to see it just set there.

HEATHKIT HD-10 Electronic Keyer:

Heavily USED. In fair shape, fully functional. Top cover dirty and stained. One of the plastic pieces on the lever is broke. I used this keyer for about 8 years exclusively on my Drake Twins. It still works great, I just don't have a use for it anymore since I'm going to get rid if the HW-16. Original Manual.

HEATHKIT GD-1021 Photoelectric Beam Relay:

Excellent condition. Beam and mirror assembly. With original Manual.

WANTS:

HW-8 or HW-9

QRP Stuff/rigs/etc...

Please e-mail direct...

--

Bill Myers KK4KF Grid - EM60rk
FISTS QRP-L ARCI scQRPions CQC NE AK/QRP NorCAL
Snail Mail P. O. Box 178 Shalimar, FL 32579
e-mail <bjmyers@arc.net>
homepage <http://www.nfds.net/~bmyers/>
CHECK OUT THE FISTS INTERNATIONAL CW CLUB U. S. HOMEPAGE
AT <http://www.fists.org>

Date: Sun, 7 Sep 1997 09:25:00 +0100
From: "Frank, G3YCC." <g3ycc@gqrpcclub.demon.co.uk>
To: malman@bbn.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26325] Re: SST case
Message-ID: <V6kn7IAcTmE0EwIX@gqrpcclub.demon.co.uk>
MIME-Version: 1.0

In message <199709062018.QAA62523@nss2.CC.Lehigh.EDU>, Joel Malman
<malman@BBN.COM> writes

>Group,

>

>Just got my SST in the mail. Board looks great, and I don't think it
>will be too hard to put together -- but one question. I thought the case
>was supposed to be pre-drilled (and not labeled).

>

>My case is not pre-drilled. Did everyone else get a case like this?

>

>tnx and 72.

>

>/joel wa1qvm

>

Mine was predrilled and all controls fitted exactly in the holes in the
case. A Super rig!

Frank, G3YCC GQRP Club 042
Packet: G3YCC@GB7HUL
QRP Web Page: <http://www.gqrpcclub.demon.co.uk>

Date: Sun, 07 Sep 1997 16:12:55 -0400
From: Richard Powell <ripowell@mpna.com>

To: qrp-1@lehigh.edu
Subject: [26326] Re: 30m Adventures - FUN!
Message-ID: <1.5.4.32.19970907201255.006be1fc@smtp.mpna.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Sheesh,,, people with resonant antenna's really burn me up.... :-)
/rick

At 01:01 AM 9/7/97 -0700, vole@primenet.com wrote:

>

>Howdy All,

>

>Is this the greatest hobby in the world or what? After I
>worked Estonia and fired off a note to the List, I got back
>on 30m and worked 9Y4/PA3EWP, then had a nice ragchew with
>KC4UB in FL. Turns out the poor guy lost his logs in the
>last big hurricane and is starting over on 30m WAS. :-(
>One AZ QSL headed his way, special delivery.

>

>Tuned around a bit and heard JE7RIT calling CQ in the clear.
>Had a nice short chat with him, then decided to call it a
>night. Well, our youngest harmonic had other plans, so while
>she had a midnight snack, I got back on the air and tuned
>around a bit.

>

>Lo and behold, there was JR7HAN/QRP calling CQ! I make it
>a habit never to pass up a call with /QRP on the end, not
>to mention one across the Pacific. Mike was running 2w on
>his QRP+ to a dipole, vs. 5w on my QRP+ to a vertical. We
>had a very nice 2xQRP 2xQRP+ ragchew. Fun! I was as happy
>as a termite in a lumber mill. Then it got better!

>

>Right after we signed, ZL1MH called me! Another Mike. And
>my first New Zealand / 19th DXCC country - zippy! :-) He
>was running 100w to a loop. Very classy fellow, Mike is.
>Congratulated me on my QRP sig and offered to QSL. I thanked
>him profusely and said I owe him a beer. Think I'll send a
>1000 miles/watt award his way too. Once we signed, the first
>Mike (JR7HAN/QRP) called the second Mike (ZL1MH) and I
>listened to them chat for a bit. What a great fellow! As soon
>as the Mikes signed, a small pileup pounded ZL1MH, mostly JAs
>it sounded like. Maybe they were all QRP. :-)

>

>Mere mortals were never meant to have this much fun! No wonder
>30m is my favorite band. :-)

>

>Hope you all had a good night too.

>

>ZZZZzzzzz... de AB7TT,
>
>-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
>
>"Veni Vertical Vamos - I came, I radiated, I left". -AB7TT
>
>
>
Richard Powell WB6JBM TENTEN - 13044
ripowell@mpna.com <http://www.mpna.com/ripowell>

Date: Sun, 07 Sep 1997 14:29:14 -0500
From: Glen Reid <k5hgb@flash.net>
To: QRP-1 List <qrp-1@Lehigh.EDU>
Cc: George Dobbs <g3rjv@gqrp.demon.co.uk>
Subject: [26327] The Austin (TX) QRP Club lives! (A QPR Club)
Message-ID: <34130088.7CB0E3C3@flash.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit

The AUSTIN (Texas) QRP Club (A QRP Club) came to life Saturday morning at 10 AM.

Thirteen brave souls decided it was, in deed, worth the effort and will be meeting at 10 AM on the second Saturday of each month for the purpose of encouraging QRP and Amateur Radio activities in the central Texas area. The meeting place will vary to spread around the spirit.

In an effort to keep this thing as disorganized as possible, it was decided that there will be:

1. NO Dues
2. NO Officers, although members may appoint themselves to any club position they choose.
3. Members can assign themselves A QRP Club member number they like. (I already got "Pi")

Larry Wise, KA5T was recognized as: "The Grand Poobah Trouble Shooter, Par Excellence".

The G QRP Club, George Dobbs(G3RJV) and Phoenix Crystals provided door prizes for the event!

Their contributions are appreciated

So if you are interested in joining our happy little band, please reply to this message and we will put you on our email distribution or watch the qrp-l list for future meeting locations.

73 es cul

gr

CHARTER MEMBER of A QRP Club and

HIS ROYAL HIGHNESS:

GRAND, HIGH QRP MOGUL; POTENTATE PROTECTOR OF THE ETHER;
KNIGHT DEFENDER OF THE MAYBE GATE; EXALTED POOBAH OF THE db;
KEEPER OF THE MYSTICAL, DARK EMITTIN DIODE;
and
COMMANDER-IN-CHIEF
ELECTROMOTIVE FORCES

--

GLEN REID
K5HGB/M BGF
Austin, Texas
...in the beautiful hill country of TEXAS...

Email: k5hgb@flash.net

Date: Sun, 07 Sep 1997 19:42:49 +0100
From: Joe Spencer <jspencer@starttext.net>
To: qrp-l@lehigh.edu
Subject: [26328] HangOver Hustle
Message-ID: <3.0.1.32.19970907194249.0079eb20@starttext.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang,

Well here is the first announcement from the RACC.

K5RAC, The Radio Active Camping and Contesting Club, in Arlington, TX is sponsoring the HangOver Hustle on January 1, 1998. We need 49 other HangOver Headquarters volunteers to operate from field locations.

All HangOver Headquarter stations will operate QRP. Time 1600Z til 2200Z.

We would like to have participation from other radio clubs. If you or your club would like to be a Hangover Headquarters please reply ASAP. We would like as many HangOver Headquarters as possible to operate both CW and SSB.

The contest rules, briefly: single op CW, single op SSB, multi op CW, multi op SSB, multi op CW and SSB (2 transmitters).

Multipliers- 5 for QRP, 5 for each HH, 2 for CW, 2 for 20 meters CW.

Awards - certificate for each station making 5 or more contacts, plaque for the winner in each category.

The exchange will be - call, name, state

Each HangOver Headquarters will sign with call/HH and assigned number.

We hope to hear from you soon. Be sure to include the call that will be used and if you will operate both CW and SSB.

Please reply directly to jspencer@starttext.net not to the list.

Joe Spencer KK5NA
jspencer@starttext.net
joes@tcjc.cc.tx.us

Date: Sun, 7 Sep 1997 14:14:52 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-1@Lehigh.EDU>
Subject: [26329] 20 meter Beacon ?
Message-ID: <199709071951.PAA24694@mh004.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang, the last few nights I've been looking for the elusive KH6, and I keep hearing a beacon on 14.060. (about 0130-0230 UTC). It says:"CQ DE KFS KFS KFS/B QSX 468121622 M5Z K"

Any of you beacon affectionados know what this one is, and where it's coming from?
It's very weak here, so my copy might not be exactly right, but it's very close.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Sun, 7 Sep 1997 12:59:05 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-1@Lehigh.EDU
Subject: [26330] Re: 30m Adventures - FUN!
Message-ID: <199709071959.MAA12241@usr06.primenet.com>

Rick (WB6JBM) wrote:

>

> Sheesh,,, people with resonant antenna's really burn me up.... :-)

Oh, that was on the dummy load. Shoulda heard what happened after I hooked up the antler. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It was the monkeys! The monkeys did it!"

Date: Sun, 7 Sep 1997 16:03:58 -0400 (EDT)
From: NilsBull@aol.com
To: QRP-L@lehigh.edu
Subject: [26331] Cleaning out the closet &c
Message-ID: <970907160341_350165046@emout17.mail.aol.com>

Gang,

I just found the copy of the "QRP Amateur Radio Club International By-Laws" what I got back around 1973, when I first joined up. I remember a couple kids ('cause I was a kid then too, more or less) standing around a card table in a corner of the Hara complex/Hamvention madness, with a bunch of really cool award certificates on the wall behind 'em.

It was the certificates that attracted my attention. Overprints on Goes Litho forms, like the ones in the catalog list from Goes that came out of Dad's shop (and probably arrived there around 1960 or so, back when there weren't no "certificate software," let alone computers to run 'em on). Fancy stuff.

So here's the by-laws after all these years. . . "Article I: Power Limitations: -- A. Full club members agree to limit their transmitter to a maximum of 100 watts (200 watts PEP SSB) . . . " And . . . "B. Amateurs who (operate) at power level exceeding 100 watts . . are ineligible for full membership in the club . . . may hold ASSOCIATE MEMBERSHIP . . ."

I had a Argonaut back then, with the "linear amp" (Model 405, weren't it?) that ran 50 watts out. Big time power hog I was. This was before I joined the Ohio Valley Teratology Net and hung around with the kilowatt crazies on 3968 kHz at all hours of the day and night. Ah, them's was the days, betcha. Late night radio and cogent enough to enjoy it. . . well, that's another story.

I think I'll put this find up with the half-dozen or so QQs that I have around here somewhere. Hmmm . . . if the wasps and yeller-jackets ain't et 'em all up yit.

73

Nils

WB8IJN &c

. . . time passes . . .

Date: Sun, 7 Sep 1997 16:03:58 -0400 (EDT)

From: NilsBull@aol.com

To: QRP-L@Lehigh.EDU

Subject: [26332] Battery chargin' fool figgers hit out . . . again

Message-ID: <970907160343_941136950@emout18.mail.aol.com>

Gang,

I have the radio box of whatever set up so I can plug 13.6 DC direct into the power line and run off an external DC supply. I can also use the same hole on the back of the box to measure the voltage of the battery & charge controller output. So . . .

The charge controller had a "state of charge" set-point around 12.5 VDC. Mikey Bryce's instructions (which I did find, finally, while cleaning out the bat roost) had instructions for changing that point, so I did. When I set the SOC point at 13.9 VDC, the controller kicked back in, the LED lit up and held for a while and then went through the "topping-off" blinking light deal that I mentioned oilier.

Now the batts sit at around 13 VDC with no charge line hooked up and they stay around 12.5/12.6 VDC when I turn on one of the radios. Which, I guess, means that I have something else to check out and gibber on about after I play around with the radios again.

This "physics-lights-itself-up stuff" is pretty cool. It's like having distant stars to stare at: I can't figure out what's really goin' on out there (or, in the case of the batteries, in there), but I can come up with a million hare-brained ratiocinations for what I think is happening (wherever). Which reminds me of a very old William S. Burroughs rant about using high-power pulses of audio frequency signals (like around 16 to 30 Hz to melt the brains of charging troops on the battle field. Only one problem: the guy who turns on the weapon also bites it. Oh well. . . sacrifices for the fatherland or something . . .

Now, where's my badger ointment? Nurse!

73

Nils

WB8IJN &c

. . . that does it! I'm callin' the pope.

Date: Sun, 7 Sep 1997 17:41:48 -0400 (EDT)
From: "Paul R. Valko" <prvalko@Oakland.edu>
To: chuck adams <adams@chuck.dallas.sgi.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26333] New QRP Mailing Lists!?!?!?
Message-ID: <Pine.OSF.3.95.970907173102.21995A-100000@vela.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 7 Sep 1997, Brian K. Short wrote:

> * QRP and QRPp Mailing Lists at QTH.Net *
> This mailing list is sponsored by Al Waller (K3TKJ).
> QRPp is milliwatt operation (less than 1w).
> This mailing list is sponsored by Al Waller (K3TKJ).

Hmmm... lemme see...

It's around here somewhere...

<rummage rummage>

AH! Here it is, the Mighty KC Clue-Stick! (A modified 2x4)

*** WHACK *** *** WHACK ***

QRP-L is *THE* QRP/QRPp list.

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics

www.acs.oakland.edu/~prvalko

Date: Sun, 7 Sep 1997 14:48:25 -0700 (MST)
From: Chris Trask <ctrask@primenet.com>
To: "Paul R. Valko" <prvalko@Oakland.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [26334] Re: New QRP Mailing Lists!?!?!?
Message-ID: <Pine.BSI.3.96.970907144713.27603A-100000@usr01.primenet.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 7 Sep 1997, Paul R. Valko wrote:

>
> On Sun, 7 Sep 1997, Brian K. Short wrote:
>
> > * QRP and QRPp Mailing Lists at QTH.Net *
> > This mailing list is sponsored by Al Waller (K3TKJ).
> > QRPp is milliwatt operation (less than 1w).
> > This mailing list is sponsored by Al Waller (K3TKJ).
>
> Hmmm... lemme see...
>
> It's around here somewhere...
>
> <rummage rummage>
>

```

> AH! Here it is, the Mighty KC Clue-Stick! ( A modified 2x4 )
>
> *** WHACK *** *** WHACK ***
>
> QRP-L is *THE* QRP/QRPP list.
>

```

Nothing exceeds like excess.

```

      /-----\
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    / then it's obsolete!   \
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Circuit Design for the
RF Impaired

Chris Trask / N7ZWY
Principal Engineer
ATG Design Services
P.O. Box 25240
Tempe, Arizona 85285-5240

Technical Editor,
QRP Quarterly
QRP ARCI 9464

Email: ctrask@primenet.com

Graphics by Loek Frederiks

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Date: Sun, 7 Sep 97 16:44:49 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [26335] Green Chile and Audio Filters
Message-ID: <199709072245.RAA18267@endeavor.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

```

All - Ginger and I have just finished putting up 35 pounds of New Mexico's finest agriculture product; the Big Jim Green Chile. Lots and lots of little zip lock bags in the freezer. This should get us through late spring; maybe not quite so far if I can convert Barbara from red to green or Susan from none to green.

For those of you not familiar with New Mexico traditions, the smell of green chile roasting fills the air in the fall. Green chile vendors occupy every vacant lot and the impossible to park in corners of grocery

store parking lots, so it is hard to get away from it. Nothing quite like it. The smell of freshly roasting Green Chile is one of the two best sensual experiences you can have in life. For a lunch break from the peeling and seeding we had fresh roasted chopped green chile with crushed garlic and onions all wrapped in a freshly made warm tortilla. I'm glad I don't have to choose between QRP and green chile. Claire, the dog, doesn't remember she doesn't like chile. It takes her 2 days to learn the lesson completely. It burns going in and as well as coming out. When I put the seeds and peels on the compost pile the chickens went straight for it. That should be interesting. Chile flavored eggs anyone??

Before I start on the Green Chile Chicken Enchiladas for this evening's repast I thought I would pop open a Negra Modelo, check my e-mail, and make a post pertinent to QRP. Green Chile Badger Enchiladas anyone?

I am begining to study audio filters and am interested in comments from those of you who use audio filters and have used audio filters. Note that I said audio filters. I don't wish to restrict it to active filters. Your comments will help me decide which areas to concentrate on. Some things I would like to get comments on are;

1. Bandwidth - What bandwidth do you find useful in an audio filter? In particular, what is the minimum bandwidth you find useful?
2. Operating Habits - What frequency do you like to copy CW at? Most rigs are set for 600 to 700 Hz offset, with some as high as 900 Hz. I was surprised to find that I prefer to copy at a lower note, say 500 Hz. I discovered this when I got my TS850S which has a variable pitch control. 500 Hz is much more pleasant, at least for me, than the 700 Hz "standard". Also, do you find your audio filter to have problems like ringing when copying high speed CW?
3. Use - Why do you use an audio filter? Is it to reduce QRM, to reduce noise, or to make listening more comfortable? Do you use the filter in conjunction with a selective IF filter such as a crystal or mechanical filter? If so, do you use an audio filter that is of comparable bandwidth with the IF filter, or do you use a much narrower audio filter than IF filter? Or do you use the audio filter as the main bandwidth frequency limiting filter?
4. Narrow Bandwidths - For those of you with the highly regarded OHR SCAF filter how often do you use the narrow settings? (I think there are both 124 Hz and 244 Hz)
5. Transfer Functions - Do you have any knowledge of the transfer function of the filter(s) you have used? That is, is it Bessel, Butterworth, Chebyshev, Cauer or other? If you do have knowledge of the filter transfer function which do you prefer? As an example, the OHR SCAF

has a Butterworth transfer function, which has a maximally flat passband. The Bessel has the same phase delay for all frequencies which minimizes ringing, the Chebyshev has the steepest transition, and the Cauer or elliptical has the highest stop band attenuation. I think that the Butterworth and Cauer (elliptical) filters are the most common transfer functions used in Ham Radio.

6. Order - Have you used filters with differing orders? The filter order determines the roll off rate. Do you find the higher order filters more useful? Is there a limit to how high an order filter is useful? Most active filters implemented with a single opamp are second order, or 12 dB per octave roll off.

7. Low Pass - Have you used a low pass filter instead of a bandpass filter? The KK7B R-1 and R-2 direct conversion receivers from Kanga both use well designed passive low pass filters. I believe that the Hands Transceiver also does. Most receivers have a natural low end roll off, so the effect is a bandpass. The R-1 and R-2 also have a simple high pass filter with a 300 Hz cut on frequency to define the low end in the output audio amplifier.

8. Passive vs Active Filters - Do you have experience with passive (inductor and capacitor) filters? There must be somebody out there who used a National Select-a-Jet ages ago. Ed Wetherhold has published a number of passive filter designs mostly utilizing surplus telephone company 88 mHy inductors. Do you find passive filters preferable to active filters? At one time passive filters were preferred in low signal applications because the popular opamps, 741s, of the era were relatively noisy. With the low noise audio opamps available such as the NE5532 I don't believe this is a problem any longer.

9. SCAF Artifacts - If you use a switched capacitor filter such as the OHR SCAF do you notice any artifacts such as clock noise feed through or aliasing? If so how do you deal with them?

10. DSP - Have you used a Digital Signal Processor (DSP)? How do you find its filtering, for CW only, as compared to other forms of audio filtering?

11. The Boss's Filter - Has anyone ever used a laboratory active filter, such as those made by Beckman or PAR for CW? If so how did it work?

12. Regenerated CW - Has anybody used a filter that regenerated CW, that is took in a signal off the air and keyed an oscillator with it? If so how did you like it? Was it at all useful on weak signals?

13. Audiophiles - Do you have experience with audio filters in other applications, such as loudspeaker crossovers? Is there anything in that

field for the CW op can learn from?

14. Recommendations - What audio filter(s) or audio filter configuration would you recommend to others?

This is not a questionnaire or survey so please don't treat it as such. The questions are designed to get you to thinking about audio filter issues and for me to benefit from your experience. You don't need to answer every question, or even any question. Other comments are welcome. Answer any or all, or give me information that you think pertinent that I have forgotten about.

Oh yeah-Does anybody know where I can get the once ubiquitous but now seemingly vanished 88 MHy telephone torroid inductors?

Thanks for the input. I will let you know how things go. - Duffey KK6MC/5

James R. Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest NM 87008

End of QRP-L Digest 841

